

**STRUCTURAL DESIGN CRITERIA & CODES**

FLOOR AND ROOF LIVE LOADS	20 PSF	
ROOF LIVE LOAD		
ULTIMATE WIND SPEED	170 MPH	
NOMINAL WIND SPEED	132 MPH	
RISK CATEGORY	I	
WIND EXPOSURE	C	
ENCLOSURE CLASSIFICATION	ENCLOSED	
INTERNAL PRESSURE COEFFICIENT	0.18+/-	
COMPONENTS AND CLADDING DESIGN PRESSURE		
ROOFING ZONE 1	+36.3 PSF MAX	-57.6 PSF MIN.
ROOFING ZONE 2	+36.3 PSF MAX	-73.6 PSF MIN.
ROOFING ZONE 3		-148.2 PSF MIN.
ROOFING ZONE 2 OVERHANG		-117.2 PSF MIN.
ROOFING ZONE 3 OVERHANG		-197.2 PSF MIN.
STUCCO CLADDING, DOORS AND WINDOWS:		
ZONE 4	+62.9 PSF MAX.	-68.2 PSF MIN.
ZONE 5	+62.9 PSF MAX.	-84.2 PSF MIN.
END ZONE WIDTH		4'
THE ULTIMATE WIND SPEED WAS USED TO DETERMINE THE ABOVE COMPONENT AND CLADDING DESIGN PRESSURES		
ALL EXTERIOR GLAZED OPENING SHALL BE PROTECTED FROM WIND-BORNE DEBRIS AS PER SECTION 1609.1.2 OF THE 2014 FLORIDA BUILDING CODE.		
GEOTECHNICAL INFORMATION		
DESIGN SOIL LOAD BEARING CAPACITY:	2500 PSF	
FLOOD DESIGN DATA		
SLAB HEIGHT	18 NAVD	

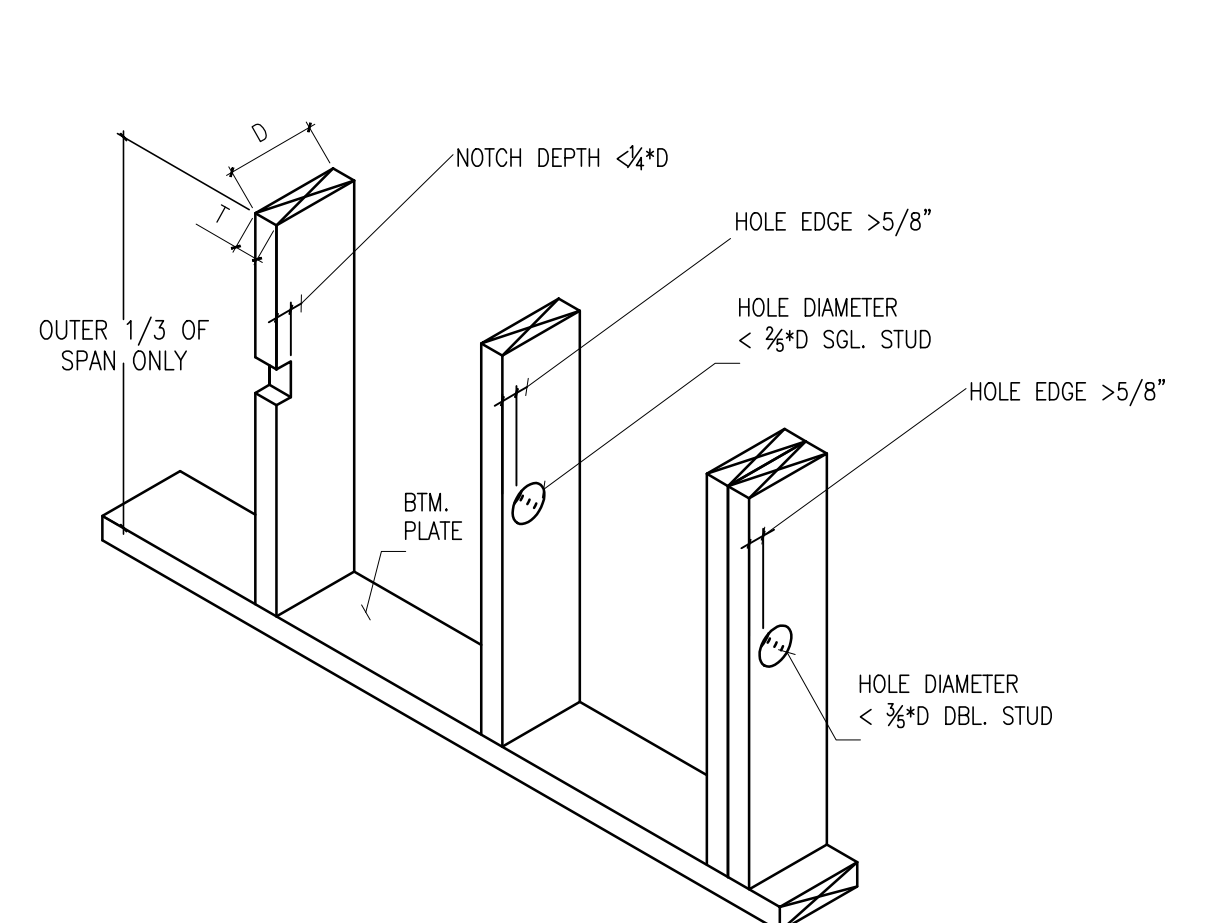
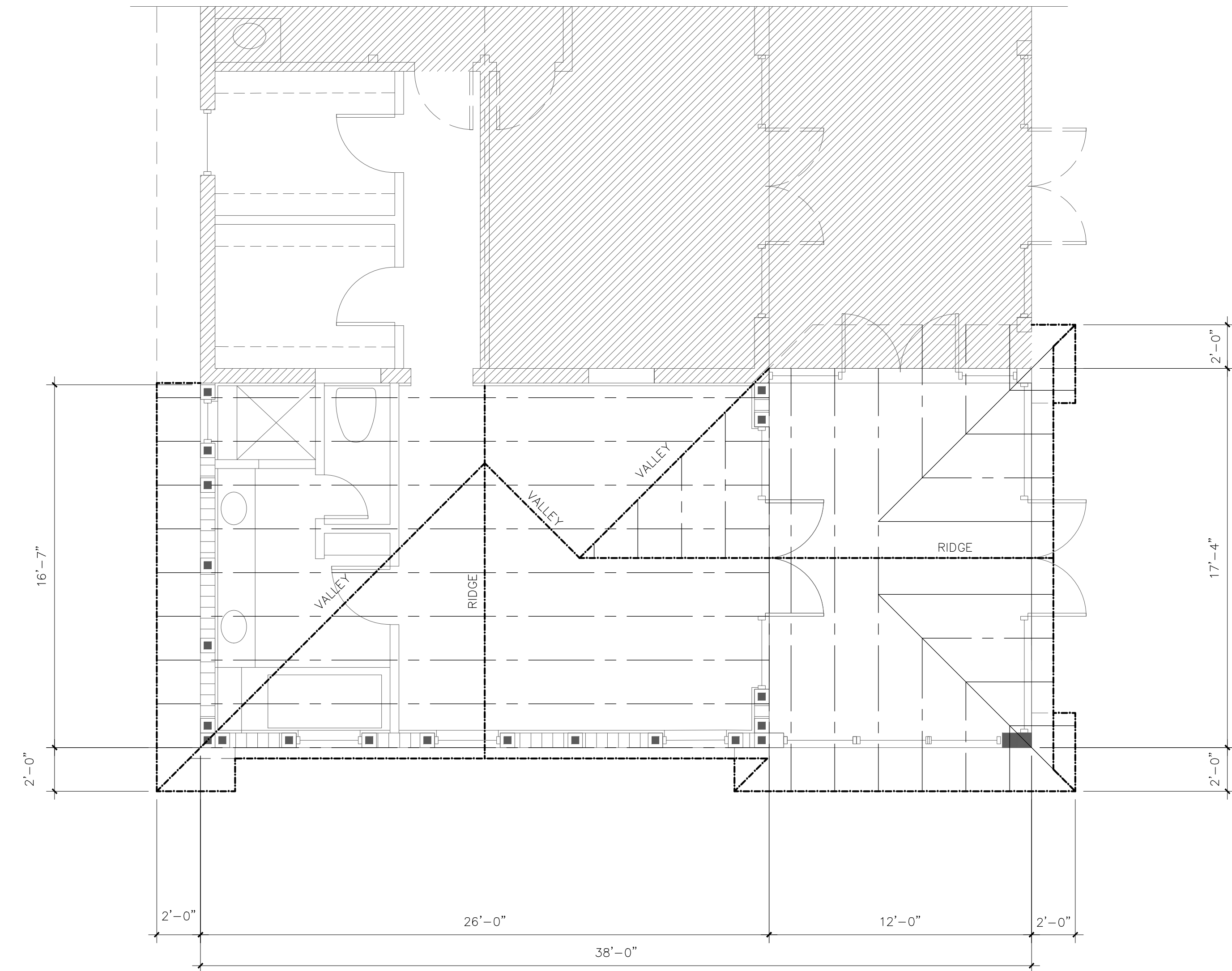
**FRAMING NOTES:**

THIS DRAWING FOR REFERENCE TO TRUSS CONNECTORS ONLY - SEE TRUSS COMPANY ENGINEERED DRAWINGS FOR INSTALLATION AND LAYOUT DETAILS.

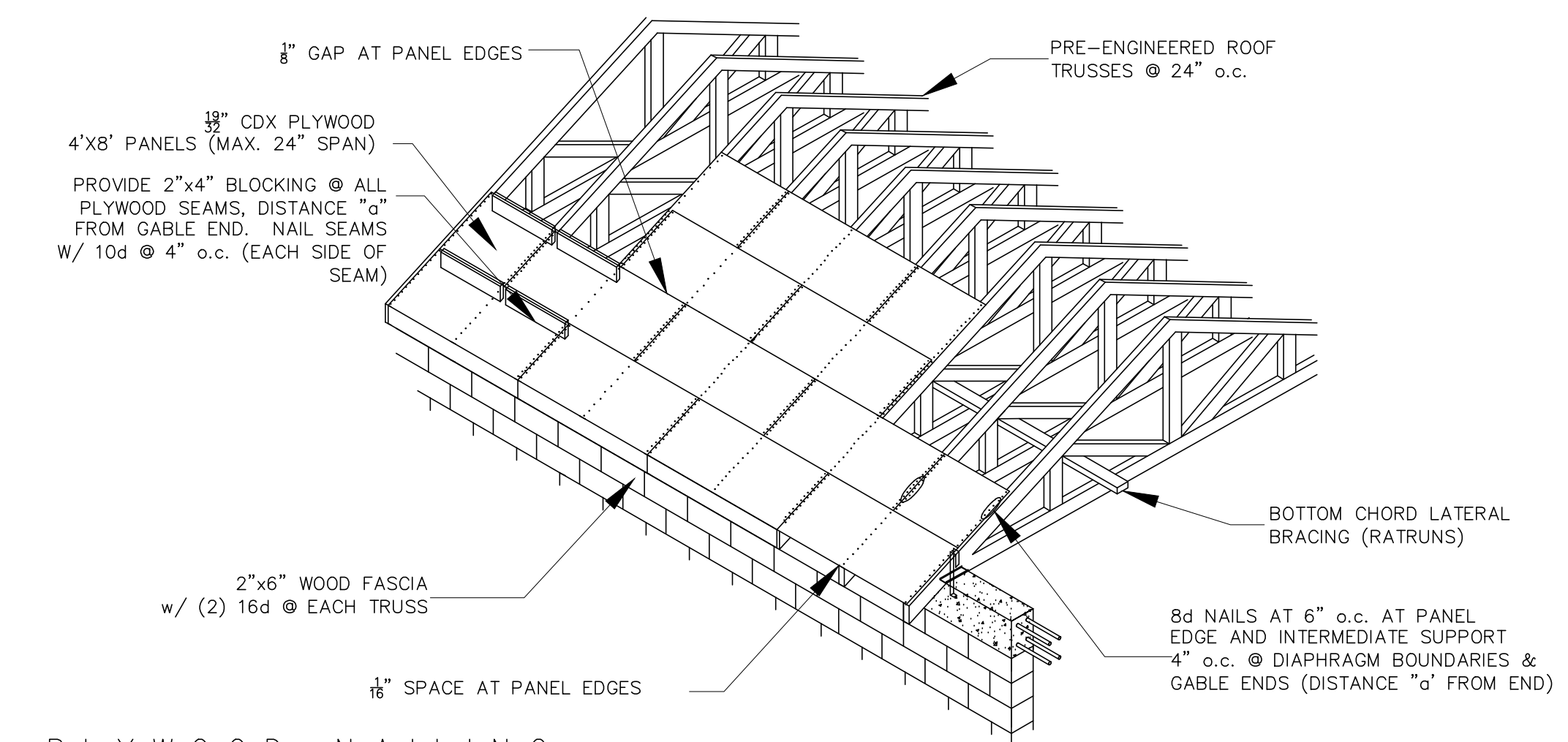
FINAL TRUSS ENGINEERING REACTIONS AND UPLIFTS MUST BE SUBMITTED PRIOR TO FINAL APPROVAL. PERMANENT TRUSS BRACING TO BE BY TRUSS ENGINEER OF RECORD

1/2" MINIMUM APA EXTERIOR EXPOSURE 1 C-D GRADE PLYWOOD INSTALLED PER MANF. RECOMMENDATIONS AND NAILED WITH 8d RING-SHANK NAILS @ 6" O.C. IN FIELD AND 4" O.C. ON PANELS EDGES

1. THE TRUSS LAYOUT SHOWN ON THIS SHEET IS SCHEMATIC IN NATURE. HOWEVER, THE SUPPORTING SUPERSTRUCTURE HAS BEEN DESIGNED UNDER THE ASSUMPTION THAT THE FRAMING SCHEME SHOWN WILL CLOSELY PARALLEL FINAL TRUSS MFG. LAYOUT. THIS FRAMING SCHEME (DIRECTION OF TRUSSES, MAJOR G.T. BEARING POINTS, ETC.) CAN BE MODIFIED ONLY AFTER OBTAINING PERMISSION FROM THE PRIME PROFESSIONAL OF RECORD WHO MUST REVIEW PROPOSED CHANGES AND MAKE STRUCTURAL REVISIONS ACCORDINGLY. FINAL SIGNED AND SEALED ENGINEERED TRUSS DRAWINGS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW PRIOR TO FABRICATION AND/OR INSTALLATION OF TRUSSES.
2. CONTRACTOR IS RESPONSIBLE FOR ALL STRUCTURAL COORDINATION AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY TRUSSES.
3. TEMPORARY & PERMANENT BRACING TO BE IN ACCORDANCE W/ T.P.I. PROCEDURES.
4. TRUSS MANUFACTURER SHALL SUBMIT THREE (3) SETS OF SHOP DRAWINGS AND ENGINEERING CALCULATIONS, SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER, OF THEIR TRUSS DESIGN FOR APPROVAL, INCLUDING TWO (2) SETS FOR ARCHITECT'S REVIEW PRIOR TO FABRICATION OF TRUSSES.
5. IF THERE IS ANY DISCREPANCY ON THESE DOCUMENTS, THE TRUSS MANUFACTURER SHALL NOTIFY THE ARCHITECT IN WRITING AND CLOUD THE AREA IN QUESTION ON THE TRUSS MANUFACTURER'S SHOP DRAWINGS.
6. IF ANY DEVIATIONS ARE MADE BY THE TRUSS MANUFACTURER WITHOUT NOTIFICATION TO THE ARCHITECT IN WRITING, TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR ANY CORRECTIONS DEEMED NECESSARY AND ABSORB ALL COSTS INCURRED.



**1 A9 STUD NOTCHING AND BORING LIMITS**  
SCALE: 1" = 1'-0"



**1 A5 PLYWOOD NAILING**

**FRAMING PLAN** 1 A5  
SCALE: 1/8" = 1'-0"

- FRAMING NOTES**
- 1 - U.N.O. ALL STRAPS FOR ROOF TRUSSES TO BE CONCRETE TO WOOD ROOF: USP HLPTA75 W/ 10d x 1 1/2 HDG NAILS. SMALL JACKS <math>< 9"</math> MAY BE NAILED W/ (10) 10d x 1 1/2 HDG NAILS. WOOD TO WOOD: SIMPSON H10A OR LGT2 W/ 10d x 1 1/2 HDG NAILS, FILL ALL HOLES.
  - 2 - ALL PLYWOOD FOR WALL AND ROOF SHEATHING IS TO BE 1/2" APA RATED EXPOSURE 1 CDX.
  - 3 -
  - 4 - ALL NAILS FOR TRUSS TO BEAM AND TRUSS TO TRUSS METAL CONNECTORS ARE TO BE GALVANIZED.
  - 5 - LINTELS AND MASONRY BEAMS WERE DESIGNED BASED ON CAST-CRETE OR LOTS CONCRETE LINTELS.
  - 6 - BOTTOM OF LINTELS ARE TO BE PLACED AT TOP OF WINDOW, DOOR AND CLEAR SPANS OPENINGS.
  - 7 - LINTELS SHALL HAVE 4" NOMINAL BEARING (4").
  - 8 - THE TRUSS FRAMING SHOWN IS SCHEMATIC IN NATURE. HOWEVER THE SUPPORTING STRUCTURE HAS BEEN DESIGNED UNDER THE ASSUMPTION THE FRAMING SCHEME SHOWN WILL CLOSELY PARALLEL FINAL TRUSS DESIGNERS LAYOUT. SUBMIT FINAL TRUSS DRAWINGS FOR THIS ENGINEER'S REVIEW AND APPROVAL.
  - 9 - PLACE 2x4 PT TO ALIGN WITH TOP AND BOTTOM CHORDS OF ROOF TRUSSES SECURE 2x MEMBERS TO WALL WITH HILTI X-ZF, POWDER ACTUATED FASTENER, ZF 72 P8S36, .177"  $\phi$ , 2 3/8" LONG, WITH WASHER @ 24" O/C. IF 2x WOOD WALL THEN USE 16d COMMON NAILS @ 24" O/C
  - 10 - NAIL SPECIFICATIONS: 8d COMMON NAILS - .0131"  $\phi$  x 2 1/2" LONG, 8d RING SHANK NAILS - .0113"  $\phi$  x 2 3/8", 10d COMMON NAILS - .0148"  $\phi$  x 3" LONG, AND 10d STRAP NAILS - .0148"  $\phi$  x 1 1/2" GALVANIZED
  - 11 - TRUSS REACTIONS AND UPLIFTS SHOWN ARE THE SAME ON EACH END UNLESS OTHERWISE SHOWN DIFFERENT.
  - 12 - WOOD BEARING WALLS AND HEADERS HAVE BEEN DESIGNED BASED ON RATIONAL ANALYSIS.
  - 13 - ALL ELEVATIONS ARE REFERENCED FROM 0'-0", FINISH FLOOR, UNLESS NOTED OTHERWISE.

CODE  
 ■ FLORIDA BLDG CODE 2014 W/ SUPPLEMENTS  
 ■ FLORIDA EXIST. BLDG CODE 2014  
 ■ FLORIDA FIRE PREV CODE 2012 5TH EDITION  
 ■ NEC 2011

BEDROOM EXPANSION  
 13460 IMPERIAL POINT LANE  
 WELLINGTON, FL

Revisions:


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DRAWN
CHECKED
DATE
4-26-16
SCALE
AS NOTED
FOR PERMIT
SHEET
A5
OF SHEETS